The President's /term
by: Mike Knudsen

As you read this, we are in the final month of preparation for the Seventh "Last" Annual CoCo Fest on April 18-19 at the Elgin Holiday Inn. It looks to be a really great one!

We have more vendors already paid up than we had last year! And this year's innovation, the CoCo Family Dinner, already has 47 of the required minimum of 50 reservations.

Attendees are already gearing up to make music after the Dinner, the old way, by hand and mouth.

Our featured guest speaker will be none other than the gaming great Steve Bjork.

Many thanks to the many Club members and their families who've worked to set this one up.

And more thanks to the IDE Hard Drive Interface crew -- Carl, Gene, Eddie, and all the rest. The PC boards are already being etched, so look for a soldering party coming to a house near you.

On a personal note, this is my last Fest. My wife got promoted to a great new job in a remote corner of the country (Maine), so I will be leaving at the end of this summer. I've really enjoyed the Glenside meetings and activities over the past 15 years, and will really miss you folks. I'll try to stay connected by Email.

But that's way in the future. Right now, let's help make our Fest the best yet, and get those IDE boards out!

Your President,

Mike Knudsen

The IDE Project
by: Carl Boll

Well, finally we have tracked down all the problems and we are fairly confident that there are no more problems that can't be fixed from the driver.

What does this mean? It means that we've ordered the boards to be etched and that we'll begin building boards. We won't be able to ship the boards until we finish the utilities, drivers and documentation though.

Let me address each of the areas that are left. It is now March 22nd and we still need to finish a lot of things but the parts are now ordered, the boards are being etched and we will begin soldering the parts and testing the boards as soon as we get the boards from the maker.

Drivers. We still have to implement partitioning in a manner that will allow multiple partitions and access from DECB in some manner. We also need to implement Master and Slave mode. There are a few issues that make this a little harder than it sounds. Finally we want to try to get the interface to work with older drives too. This may prove beyond the scope of our project though.

Utilities. We are writing a utility that will help with changing the size of clusters to allow use of larger drives. We want this to be as painless as possible. At the writing of this article it is 90% finished. We also need to write a utility that will set up the partitions, similar to FDISK under MS-DOS. We may also at some point if time allows write a defrag utility.

Documentation. This is moving along too, slowly. There is still a lot to do though. Not having the utilities and drivers finished isn't helping move this part of the project along. It is also impossible to write certain parts of the documentation until we have the drivers and hardware finished. As much as can be written to date is finished and the rest is outlined.

CoCo~123 Information

The Glenside Color Computer Club, Inc. is a non-profit organization whose members share an interest in the Tandy Color Computer ®. The CoCo~123 is the official newsletter of the Glenside Color Computer Club, Inc.(hereafter known as GCCC). GCCC has no affiliation with Radio Shack ® and / or the Tandy Corporation®. The opinions of the authors of the articles contained within this newsletter do not necessarily reflect the opinions of the Editor, the Executive Officers, or the actual Club Membership.

We are committed to publishing a minimum of four issues and a maximum of 12 issues per calendar year. For a fee of $15.00, for January through December, you may become a GCCC member with full membership priviledges. Send your dues to:

George Schneeweiss
13450 N 2700E RD
Forrest, IL 61741-9629

CoCo~123 Contributions

If you would like to submit an article for publication in the CoCo~123 you may upload it to one of the Club BBS's or send it directly on a disk to:

Carl Boll
6242 S. Menard Ave.
Chicago, IL 60638
. .The following formats are acceptable:
RS-DOS - 5 1/4" disk
OS-9 - 5 1/4" disk
MS-DOS - 5 1/4" or 3 1/2" disk
Email: coco123@chicoco.chi.il.us

All articles should be in straight ASCII format, not specialized word processing formats to facilitate importation into the newsletter.

Advertising is also accepted. If you are a vendor you may send an ad to the previous address. All ads should be "camera ready"* art. Please limit the size of your ad to 1/4 page. If you wish you may submit your ad on a disk in the following graphical formats:
JPEG, GIF, BMP, WPG

Reprint Policy

If you or your club / user group desire to reprint any articles in part or in whole that appear in the CoCo~123 you may do so under the following guidelines:

1. Provide credit to the Author of said article
2. Provide credit to the CoCo~123

We encourage others to copy these articles and the newsletter and distribute it at you regular meetings.

Glenside Club Meetings

The GCCC meets every second Thursday of the month from 7:30PM to 10:00PM at the Glendale Heights Library. A social get-together always occurs after the meeting at a local restaurant.

Newsletter Exchange

The GCCC is happy to exchange newsletters with other clubs / user groups at no charge. Please send your newsletters to:

Dennis Devitt
21 W 144 Canary Rd
Lombard, IL 60148

These are your BBS's. Please support them.

Glenside's Cup of CoCo
847-428-0436
9600 baud

Glenside East
847-632-5558
9600 baud

Glenside's Officers

President:	**Mike Knudsen**
	630-665-1394
Vice President:	**Jerry Jeskey**
	708-449-2638
Vice President:	**Justin Wagner**
	630-393-7072
Vice President:	**Tony Podraza**
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	815-832-5571
Secretary:	**Bob Swoger**
	630-837-7957

**GCCC Email Address: gccc@chicoco.chi.il.us
or bod@chicoco.chi.il.us**

The IDE Project Update

As each step of the project gets finished a little more of the documentation can get finished. Until a utility is finished and working we can say for sure exactly how it will work. The same is true of the drivers. We can't take pictures for how-to's until we actually have a real board to photograph. I think this pretty well explains why the documentation is moving slowly now.

Building the boards. This will be a group project. We can't build them until the boards and parts are all in our possession. Since we are going to socket the chips that adds an extra step in the assembly process. Unless you've actually built some boards you can't appreciate the logistics here. We are talking about 150 boards. There are 9 chips and 45 header pins to solder in along with 9 capacitors and 5 resistors. This gives a total of at least 227 solder joints. That's just one board. Chips also need to have their legs "straightened" and they need to be inserted into the sockets. The resistors and capacitors need to be bent and trimmed for insertion into the board before soldering.

All in all this portion of the project is enormous. Thankfully we have more than a couple of good soldering stations and people that can use them. Now that isn't all with the assembly of the boards either, they need to be tested. This means plugging them into a CoCo and actually running them. This will take time too.

Disks. After the drivers, descriptors and utilities are finished they need to get put on disk. Again, time. It takes time. Thank heaven we have extra hands. The disks need to get formatted and then copied. Labels need to be printed and put on the disks.

Packaging and Shipping. Finally, after all of the assembly work is done the boards need to go into shipping bags which along with the documentation and disk of "stuff" all goes into a box which gets labels put on it and a shipping ticket filled out for it. Some of this will be automated to some extent but it time consuming. Remember that at this point we will still need to ship out 150 boxes, give or take a couple.

Finally there is the refund. Yes, there will be a refund on the boards. We can't quote a final price until all of the prices have come in. Prices have been changing on us constantly so we can't make a final price until everything is paid for. Remember, this is a non-profit project. This means that a check goes out with each board for the difference between the cost and the amount paid.

So, there it is, that is the current status of the project. One last thing to be mentioned if you haven't been notified and you ordered a board (whether you paid a deposit or not). The balance is due >NOW<. The cost per board is $58.00 with the shipping and handling. If you ordered a board and sent in your $15.00 deposit that means you owe $43.00 on the board. The reason we are doing it this way is we need money to get the boards finished. The size of the project and the upcoming Fest have dwarfed our treasury. The only way we can afford to start

building the boards is to get the money up front now. We are pretty sure that the finished, shipped board will actually cost less than the $58.00 we are asking for so we will include a check for the difference (a refund) with the board when we ship it.

If you haven't sent in your balance due you need to send it as soon as possible. Make a check out for the balance due to: The Glenside Color Computer Club

Send it to:
The IDE Project
C/O Carl Boll
6242 S. Menard
Chicago, IL 60638

Again, all of us on the project wish you the best

Carl Boll

•••

Pulled from the CoCoList:

From: Robert E Brose II <bob@KUNK.N0QBJ.AMPR.ORG>
Subject: 1773's, etc
X-To: coco@pucc.princeton.edu
To: Multiple recipients of list COCO <COCO@PUCC.BITNET>
Status: RO

A while ago in response to s similar question, someone sent me the following:

Toad Computers, 570 Governor Ritchie Highway, Severna Park, MD 21146-2925
(Phone 410-544-6943 for info, 800-448-8623 for orders)
(Web: http://www.toad.net/)
(email: info@toad.net)

Both places should also have the standard 1772, as well. (In fact, Toad lists it in their latest catalog for $5).

-- end of quote --

The 1772 is a drop in replacement for the 1773 with faster step rates. If you are running 6ms across the board (dos command, boot module and os9 cc3disk) you will see exactly the same behaviour as with a 1773. Besides the 6ms step rate, the 1772 has some faster rates.

Also, as I posted before, the ajax chip which is a high density 1773 clone will also work but I haven't got it to run in high density yet and it is much more expensive at $35....

Bob
--
Robert E. Brose II / N0QBJ / Amateur Radio IP Address Coordinator for Minnesota

Ampmet: bob@n0qbj-uhf.ampr.org (44.94.9.9)
WWW (Ampmet only):   http://kunk.n0qbj.ampr.org/
Packet: N0QBJ@WB0GDB.#STP.MN.USA.NOAM

MINUTES BY THE MINUTE
by Bob Swoger

September 11, 1997

Present were Carl Boll, Dennis Devitt, John Chasteen, Brian Schubring, Scott Montgomery, George Schneeweiss, Richard Bair, Mike Knudsen, Gerry Jeskey, Howard Luckey, Brian Goers, Bob Swoger, Justin Wagner and Tony Podraza.

The papers changing our registered agent from Sheryl Edwards to Richard Bair came in. These papers must now be recorded with the county recorder of deeds.

Bob Swoger once again invited all members to our annual September picnic.

Carl reported on the IDE drive project with the bullated points being Master/Slave operation, 100 plus customers, may stuff boards @ next CoCo meeting.

Tony Podraza announced the increase of fest room rates to $65 plus tax for April 17-18-19 of 1998. The room signup deadline will be March 30, 1998. The Ball room is up 20% over last year. We will require $10 show tickets, tables will be $35 + $5 limit 2.

A dissertation followed about the Jam Fest, the CoCo Family style dinner with Jam Fest after with Musical Interaction and Personal Participation.

Treasurer report $2953

October 9, 1997

The meeting was called to order at 7:50 PM by President Mike Knudsen. Present also were, Scott Montgomery, Justin Wagner, Tony Podraza, George Schneeweiss, Bob Swoger, Carl Boll and Brian Goers.

Carl Boll reported that the membership list for OS-9 membership list is still missing. He will try to contact Joel Hegburg for a copy.

The picnic report was given by Bob Swoger. There were 34 people present. Many people arrived and left at different times this year making games a bit hart to conduct. There was no flea market
activity after the picnic but Frank Davis, a vendor of AMIGA and SINCLAIR products from Peru Indiana, sold Spectrum CDROMs and seven Multitech 14.4 FAX modems for $12 a piece. Two members of the Q-BOX BBS from Michigan also attended as part of the Sinclair users present.

Carl also reported on the progress of the IDE project. Cold solder joints hampered the testing of the last prototype.

George made a request to see if anyone could get him copies of the Hoffinghams comedy radio programs. Bob suggested he try contacting collector Ken Poletic.

The meeting adjourned at 9:48 PM

The demo this evening was to install a 6309E upgrade in a CoCo 3. The Job was not completed due to not having 40 pin IC sockets available other than one already mounted to PC boards.

Door prizes handed out this evening were syringes of thermal compound for heat sinking of transistors of ICs to heat sinks and stickem equipment feet for all those present. Also given away were 8K X 8 Static RAMs.

November 13, 1997

The meeting was called to order at 7:50 PM by President Mike Knudsen. Present also were, Brian Schubring, Mike Warns, Howard Luckey, Dennis Devitt, Justin Wagner, Tony Podraza, George Schneeweiss, Bob Swoger, Gene Brooks, Carl Boll and Brian Goers.

As our treasury was reported to be a bit low, Treasurer George accepted 1998 dues.

Gene Brooks reported his son Dan leaving the IBM MIDI Program CAKE Walk and returning to the CoCo based Ultimuse by Mike Knudsen. What Gene wanted to report was that Ultimuse was just easier to use! Gene had no problem setting up the CoCo for Dan to use Ultimuse again. Mike Knudsen added that he wanted to add a keypad input feature to Ultimuse.

A fest task list was generated at the request of Mike, Tony and Bob. Some names assigned were not present to accept but it is hoped that based on past services, there folks will again participate. On a volunteer basis:

1.) The COCO Family Dinner - Brian Schubring
2.) Nuts & Volts ad - Justin Wagner
3.) Extra Tables if needed - Tom Schaefges
4.) Fest Shirts & button art - Brian Schubring
5.) Security - Tom Kowalski
6.) Ticket Printing - Brian Schubring
7.) Point of Sale set-up - Tony Podraza
8.) Cleanup after fest & vender 8.5 X 11 cleanup information sheet - OPEN
9.) Vender mailing - Tony Podraza & Justin Wagner
10.) Buttons - We hope that John Chasteen can provide this service this year.
11.) Show Guide - Carl Boll
12.) Seminars - Mike Knudsen
13.) Ron Voll's Pennsylvania vender list Sole Master & Paul Someone
14.) Vender signs installed above tables - Bob Swoger
15.) Auctions - Mike Knudsen
16.) Goodies bags at entrance - OPEN

If your name is on the list and you wish to have it removed, please contact Mike Knudsen, Tony Podraza or Bob Swoger.

In regards to the CoCo Family Dinner, Brian Schubring has contacted the Holiday Inn and feels that we must reserve a

MINUTES BY THE MINUTE

dual room for the occasion. For the use of a single room we must guarantee 50 people. The cost of the dinner would be $15 per person which would include gratuity and room use. If we go over 50 people, we would require the second room and the club would incur an additional cost. Tony make a motion to permit Brian to negotiate for the second room which could be released at the last moment if not needed. Brian can be reached for comment at theschu2@juno.com or theschu3@aol.com.

Carl Boll reported that the membership list for OS-9 User's Group is still missing. This list is required to allow us to send newsletters to the OS-9 user portion of our group required by the transfer of founds from that group.

Carl also reported on the progress of the IDE project. Cold solder joints hampered the testing of the last prototype.

The motion for the meeting to adjourn was made by Howard Luckey, seconded by Bob Swoger at 9:20 PM.

The demo was a pass around 40 meg IDE hard drive purchased by Carl Boll through Nuts & Volts Magazine for $15. The drive was only 1.3 inches square!

Door prizes handed out this evening were 3 small 40 & 80 Meg Hard Drives and copies of Nuts & Volts Magazine.

Treasurer report $1300

December 11, 1997

The meeting was called to order at 7:50 PM by President Mike Knudsen. Present also were, Howard Luckey, Justin Wagner. Tony Podraza, George Schneeweiss, Bob Swoger, Carl Boll, Brian Goers, and Richard Bair.

Tony Podraza made a motion to move the nominations for officers this year to February and March with the election to be held at the April fest. The motion was seconded by Rich Bair and carried unanimously.

President Mike must get a count of the fest attenders, those that want to participate in the Glenside Family dinner and a count of vendors that are sure to come. Please send your count to Mike Knudsen at his Email address.... mknudsen@lucent.com
.

Carl Boll will place an article to this affect in the coming newsletters and update Justin's phone number to 630-393-7072.

Carl Boll has been hearing from vendors that interest is waning in the CoCo community. He turned the tables on them by asking them why they refused Carl's offer to give them free advertizing space in our newsletters? The result was six new vender ads for the newsletter.

Bob Bruhl sent money to Andre LaVelle for two 5.25" floppy drives. Tony Podraza will search for the drives. Bob

Bruhl also send 2 20 MEG hard drives to Carl Boll for advise as to why the drives seem to quit after some time in a session. Carl is not familiar with the RGB DOS systems which makes each drive look like 256 floppies. He shall try to address the problem before the end of the year.

Carl had no new news on the IDE Hard Drive project.

Tony said that we would be renewing our Sam's Club membership. Two extra $10 Sam's membership cards are still available. See Tony if you are interested.

The meeting ended at 8:30 PM and the Demo began... Research on the IDE Hard Drive Project. Two prototype IDE boards were exercised.

Robert Swoger,
Secretary,
Glenside Color Computer Club

****

THE MONITOR SECTION

****

Use a CGA Monitor with a CoCo

By Marty Goodman

Tom Lindo asked about using a CGA monitor with his CoCo3.

You can hook most CGA monitors directly up to a CoCO 3 by hooking like-named video signals (r,g,b, h and v sync, and ground) straight thru between the CoCo video port and the monitor's 9 pin port, and (in MOST cases) get an image.

The image will show, however, only SIX colors and black and white...NOT the 64 colors (actually about 58 colors plus shades of gray) that the CoCo is capable of generating.

Of course, you can convert a CGA monitor into an analog RGB monitor... but if you have to ask how, you should not be trying to do it.

Pin out for CGA:

(for the DB 9 connector)

1,2 ground 3,4,5 r,g,b 6 Intensity 7-not used
8,9 H and V sync respectively

NOTE: the PIN NUMBERING for a DB9 is DIFFERENT from the pin numbering for the 10 pin dual in line

connector on the CoCo RGB video port!!!!!

DB 9:

1 2 3 4 5
6 7 8 9

CoCo dual in line 10 pin video connector:

1 3 5 7 9
2 4 6 8 10

Thus a straight thru cable WILL NOT WORK!!!

---marty

****

Hook A Multisync to a CoCo

By Marty Goodman

Editor's Note: *This is a message from Marty to me on the CoCoList about hooking the older NEC (and other) Multisync analog monitors to a CoCo.*

OK, now you have the pinout for the standard lines of VGA micro 15 DB connectors.

1,2,3 r,g,b analog

6,7,8   ground lines for r,g, and b respectively

10   ground line for digital (sync) signals

13,14   H and V sync (respectively)

With that info, it should be trivial to hook your NEC 3D up to the CoCo 3, right?

You should use ribbon cable, and put all active signal lines separated by a ground line. You can run all the ground lines together at the CoCo 3 connector (or near it) to send them to pins 1 and 2 of the CoCo RGB connector.

What I do is use a 9 wire flat ribbon cable, putting the four ground lines between the five active lines. I use that for the 4 or 5 or 6 foot run of the cable. Then I take a 10 pin dual row connector (CoCo RGB connector) with about 9 inches of ribbon cable attached, and hook the ribbon cable of the two together, using heat shrink on each connection and on the outside to make it all look nice and be mechanically sound. That way MOST of the length the signal travels on a every other wire ground flat ribbon cable, which preserves video signal quality almost as well as sending R,G, and B on separate coaxial cables.

---marty

Editor's Note: *Just to clarify. I was specifically asking Marty about hooking up an NEC 3D to the CoCo. This is an extremely versatile monitor and the display looks excellent. This particular monitor is also capable of displaying 1024 by 768 resolution on a PC (interlaced). If you find one of these monitors I suggest you pick it up.*

******* ANNOUNCEMENT ANNOUNCEMENT ANNOUNCEMENT ANNOUNCEMENT *******

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For the Tandy Color Computer 3 with 512K RAM and Disk Drive

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Internet Page: www.voicenet.com/~swyss/cfdm.html
E-mail: rcooper@kih.net

- AUSTRALIA -

Nickolas Marentes,
P.O. Box 2003,
Runcorn, 4113, QLD.
Internet Page: www.launch.net.au/~stauros/nickpage/
E-mail: N.Marentes@mailbox.uq.edu.au

(FREE DEMO!!)

Pac-man is the registered trademark and property of Namco/Midway. Any money collected from the sale of this program will be taken as payment for the work involved in the development of the 6809 code. The author has not seen or copied any of the original's Z-80 code. Due to the small size of the Color Computer 3 market, it is the programmer's hope that Namco will realize that this program is in no way a threat to their financial status and that any revenue collected will be equally insignificant. This program has been created as a **TRIBUTE** to the original Pac-man, one of the most successful arcade games in video game history.

Thank you Namco for giving the world Pac-man.

****** ANNOUNCEMENT ANNOUNCEMENT ANNOUNCEMENT ANNOUNCEMENT ******

Well that's the sales pitch over. Seriously folks, you gotta buy this program. I have 12 starving children, bills piled up to the ceiling and I've had to mortgage my CoCo! <INSERT SYMPATHY HERE>

For more detailed information about Pac-man and even about myself, go to my web page at www.launch.net.au/~stauros/nickspage. On it you will find a screenshot of the game and even be able to download the free Demo which has features such as the animated intermissions removed and only the first (and easiest) set available.

Please support CoCo software development by buying, not just my program, but programs from other respectable and currently active CoCo programmers such as Steve Bjork, Chet Simpson and John "Sockmaster" Kowalski. The money collected from such a small market is not going to make any of us rich but it certainly will help to keep the CoCo alive and possibly encourage more programmers to create software for the CoCo.

Remember, it's Christmas season. Buy yourself or a friend a CoCo program and you will be contributing to the CoCo's growth and longevity.

Nickolas Marentes - CoCo Programmer

****

Editor's Note: *While I haven't played this game yet I understand from others who have that it is indeed very good and plays much like the original arcade game but even better......if that could be possible. If you can afford it and you like to play games on your CoCo this is an excellent choice and one of the few new games to come out recently for the CoCo. Help support the programmers that are still left in our community, buy a copy soon.*

TRS-80 Models I, 3, 4. 100. Pocket Computer, and

COCO.

Send a #10 SASE, 54 cent stamp, to:

TRS-80 AGAIN
100-D W. Falls St.
Kinge Mountain, NC 28086.
Email petebum@aol.com.
****

The CoCo is Still Alive and Kicking at
Rick's Computer Enterprise!!
What we still have to offer:

CoCo Friends Disk Magazine:
A quarterly disk magazine consisting of 4 issues each year. The current subscription year began in September 1997. Next issue is scheduled for December 1997. With each issue you receive 2 flippie diskettes (that's 4 disk sides of CoCo material) and HARDCOPY, Arthur Hallock's paper printed version of CFDM.
Price....$30 per year

EMAIL CFDM:
12 issues of CoCo Friends Disk Magazine via your email address. That's 3 years of CFDM for the price of one "postal year." Every three months you'll receive via your email address, the 4 .DSK files that make up an issue of CFDM. Remember .DSK files are for use with the CoCo3 emulator by Jeff Vavasour.
Price....$30 for the 12 issues

The CoCo3 Emulator by Jeff Vavasour:
The greatest non-CoCo product ever. Run your CoCo software on your PC.
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The Sundog Systems Software Collection:
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The CoCoPRO! Software Collection:
Some more great CoCo software including: RSDOS Programs: SIMPLY BETTER & V-TERM OS9 Programs: MULTI-MENU, ZAPPER, DATA WINDOWS, COCOPRO! SOLITAIRE, and others.
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Many of my own creations. Includes games, educational programs, utilities and more. TETRA (TETRIS), FLAGS (RISK), VOCAB (SCRABBLE), NIB COMPRESSOR (The best graphics compression program ever for the CoCo3.) **Ask for more info.**

The CoCo Registry:
Final version will be available in January. Contains info on 500 CoCo users. **GREAT! GREAT! GREAT!**

Price....$12 + $2 s/h for first time buyers. For current owners: send your disk and $7 for the newest version.

Rick's Computer Enterprise
P.O. Box 276
Liberty, KY 42539
email: rcooper@kih.net
****

BlackHawk Enterprises, Inc.
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Email : nimitz@ballistic.com

DataWindows:
The Alpha Software Technologies classic now available for the latest versions of K-Windows
$79.95

Presto Partner:
Alpha Software Technologies personal productivity package now available for windio 56
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GNU ports:
Including M4. some File, Shell and Text utilies, and the Autoconf package
$25.00/dsk

MM1 and MM1B systems available by arrangement
****

Cloud-9

All orders will be shipped within 24 hours. Thank you for your interest and support of this fine computer!

The 512K SIMM upgrade is ready to ship. The unit will ship with the following items:

1 - 512K SIMM Memory Board with 8 or 9 chip 120ns or faster SIMMS
1 - Installation Manual
1 - Schematic package
1 - RSDOS Memory Test Program supplied on 5 1/4" disk.

To make things easier I have decided to charge US $40 each. This will include shipping, UPS ground within the US. If you are outside of the US please indicate method of shipment desired and I will check into the added cost, if any. If you would like a different method of shipment please indicate. Ex: UPS-RED,BLUE, FEDEX, AirBorne, etc. These will all have additional shipping costs added to the base price. Please send a check or money order made out to myself, Mark Marlette.
Send to the following address:
Mark Marlette
3749 County Road 30
Delano, MN 55328

FUMBLE FINGERS
By Tony Podraza

Editor's note: *I don't remember if we printed the previous version or not so...here is the corrected one from Tony.*

SHEESH>>>>am I embarressed
First for messing up the patch while typing it in.
Second , for taking soooooo long to find the errors and correcting them.
Thirdly, for putting so many brains to work to try to find my errors.
but here it is, again, and it should be corrected now.
the errors are as follows (all corrections are listed in smaller case letters in the program listing so you can find them easil, unless they
are symbols or numbers.):

1/   line 170; missing "CHR$"
2/   line 170; missing "B$"
3/   line 180; "IF S=<>..." should read "IF S<>..."; delete the "="
4/   line 220; the second "PALETTE" is misspelled "PALLETE"
5/   line 240; same thing
6/   line 420; reads "DATA 22361..." should be "DATA 22631..."

sorry, Steve, and everybody else, for the oopses.

10 'New program boot for Ghana Bwana, Pitfall II, Desert Rider, & One on
One.
20 'This Program will give you full color on a COCO 3 when using an RGB
monitor.
30 'It will also fix the bug in Ghana Bwana on the COCO 3.
40 CLEAR 50,&H3FFE
50 P=PEEK(&H3FFE)
60 X=&H7FFF:POKE X,165
70 POKE X,255-PEEK(X)
80 IF PEEK(X)<>90 THEN 100
90 IF PEEK=PEEK(&H3FFF) THEN 110
100 CLS:PRINT"64K IS NEEDED FOR THIS PROGRAM"
110 CLEAR 500,&H7FFF
120 FOR I=0 TO 70
130 READ A$
140 POKE &H5000+I,VAL("&H"+A$)
150 NEXT I:WIDTH 32
160 DSKI$0,34,4,A$,B$:SUM=0:FOR X=1 TO 128:SUM=SUM+ASC(MID$(A$,X,1))+ASC(MID$(B$,X,1)):NEXT X
170 IF SUM=20423 THEN INPUT "REMOVE WRITE PROTECT TAB FROM DISK AND PRESS ENTER.";Q$:MID$(A$,106,1)=CHR$(254):MID$(A$,122,1)=chr$(254):DSKO$0,34,4,A$,b$:GOTO
160
180 READ S,A,B,C,D:IF S=0 THEN 280 ELSE IF S<>SUM THEN 180
190 POKE &HFFD8,0:PRINT "ARE YOU USING AN RGB

MONITOR? (Y/N)"
200 Q$=INKEY$:IF Q$<>"Y" AND Q$<>"N" THEN 200
210 IF Q$="N" THEN 280
220 PALETTE 0,A:PALETtE 4,A
230 PALETTE 1,B:PALETTE 5,B
240 PALETTE 2,C:PALETtE 6,C
250 PALETTE 3,D:PALETTE 7,D
260 PRINT "PLEASE HOLD THE CLEAR KEY UNTIL THE GAME IS BOOTED."
270 IF INKEY$<>CHR$(12) THEN 270
280 EXEC &H5000
290 DATA 86,22,8E,26,00,8D,0D
300 DATA FC,26,00,10,83,4F,53
310 DATA 26,03,7E,26,02,39,34
320 DATA 20,10,BE,C0,06,A7,22
330 DATA 86,02,A7,A4,6F,21,6F
340 DATA 23,6C,23,AF,24,10,BE
350 DATA C0,06,A6,23,81,13,27
360 DATA 12,AD,9F,C0,04,4D,27
370 DATA 06,6C,23,6C,24,20,E9
380 DATA 7F,FF,40,35,A0,4F,20
390 DATA F8
400 DATA 22438,63,0,9,36
410 DATA 20651,63,36,9,0
420 DATA 22631,0,9,36,63
430 DATA 65280,63,36,9,0
440 DATA 0,0,0,0,0

(EOF)
Place this program on the disk that you wish to run and RUN it.

****

Editor's Column

Well, that's it for this issue. Take note of the flyer for the Fest also. The next issue will be even bigger and better!

The Fest is rapidly approaching, the IDE Project is nearing completion, what better reasons can I give anybody to rejoin the club. It is the support of the members that allow us to continue to sponsor the Fest and to do projects like the IDE board, the Midi-board, the E-clock fix board and hopefully new ones in the future.

If you don't have access to the internet that doesn't mean that you can't get lots of free programs (well, almost free). Next issue we will have the GCCC library listings! Make sure you don't miss that issue by not paying your dues.

I hope you have noted that we have a few ads in this issue. Due to a lack of time I didn't get to typeset them as well as I wanted. I will correct that in the next issue.

Finally, there will be other articles in the next issue that will be interesting and the next issue will more than make up for the missed issue of last year. It will be more like a book!

Best wishes til then,

Carl

Meeting Location:

<div align="center">

Glenside Public Library
25 West Fullerton Avenue
Glendale Heights,Illinois 60172

</div>

Directions:
The Library is located on Fullerton, about one-half mile west of Bloomingdale Road. Fullerton is about one mile South of Army Trail Road and about one mile North of North Avenue (Route 64). Bloomingdale Road is about two miles West of 53 / I-355 / the North-South Tollway.

NEXT MEETING DATES:
APRIL 9,1998
MAY 14, 1998

APRIL 9, 1998	MAY 14, 1998	JUNE 11, 1998
JULY 9, 1998	AUGUST 13, 1998	SEPTEMBER 10,1998

The Glenside Color Computer Club, Inc.
C/O Tony Podraza
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Carpentersville, IL 60110-1101